

ABSTRACT

A process for the extraction of an unwanted material from a fluid containing the unwanted material comprising the steps of introducing an immiscible extraction fluid into the fluid having an unwanted material therein to form a plurality of extraction fluid droplets in the fluid, allowing the plurality of extraction fluid droplets to hydrophilicly interact with the unwanted material in the fluid to cause the extraction fluid droplets to form into a plurality of coalesceable droplets, coalescing the coalesceable droplets into larger droplets containing the unwanted material, and separating the larger droplets containing the unwanted material from the fluid.